

WHAT IS CLAIMED IS:

1. A dual band antenna comprising:

a support substrate with a grounding conductor;

5 a first radiating conductor plate arranged substantially parallel to the grounding conductor;

a power-supplying conductor plate extending downwards from the first radiating conductor plate and adapted to be supplied with high frequency power of a first

10 frequency at its bottom portion;

a connecting conductor plate for connecting the first radiating conductor plate to the grounding conductor; and

a second radiating conductor plate provided upright with respect to the grounding conductor, the second

15 radiating conductor plate facing the underside of the first radiating conductor plate at its top portion and adapted to be supplied, at its bottom portion, with high frequency power of a second frequency that is higher than the first frequency,

20 wherein the second radiating conductor plate is so constructed that the gap between the top portion of the second radiating conductor plate and the first radiating conductor plate can be changed.

25 2. The dual band antenna according to Claim 1, wherein the second radiating conductor plate has an elastically deformable portion at its local area, and further comprising a synthetic resin adjusting screw

threaded to the first radiating conductor plate for depressing the top portion of the second radiating conductor plate downwards.

5           3. The dual band antenna according to Claim 1,  
wherein the second radiating conductor plate is composed  
of an upright conductor part erected on the support  
substrate and a sliding conductor part slidable in an up-  
and-down direction with respect to the upright conductor  
10 part, and further comprising a fastening means for  
fastening the upright conductor part to the sliding  
conductor part.

          4. The dual band antenna according to Claim 1,  
15 wherein the top portion of the second radiating conductor  
plate is bent in a direction substantially parallel to  
the first radiating conductor plate.